

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L2    | 38   | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (spark\$3 ignit\$3 explo\$4) near (short short adj1 circuit gas adj evolution decomposition purge) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 09:34 |
| L5    | 106  | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (safety adj (valve mechanism) or vent\$3 adj valve pressure) near current                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 09:51 |
| L6    | 0    | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (safety adj (valve mechanism) or vent\$3 adj valve) near pressure near current                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 09:50 |
| L8    | 45   | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (determin\$3 preset\$3 select\$3 establish\$3 optimiz\$3) near3 pressure with (charg\$4 current)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 14:31 |
| L9    | 2    | "20010038940".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 14:56 |
| L10   | 0    | "20016610438".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 14:56 |
| L11   | 3    | "6610438".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 15:01 |
| L12   | 1    | 11-250886  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 15:04 |
| L13   | 2    | "6437542".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/11/16 15:05 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S1  | 1   | "20040157114".pn.   | US-PGPUB;<br>USPAT                                    | OR | ON | 2006/11/14 09:17 |
| S4  | 294 | arakawa adj hiroshi.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 09:23 |
| S5  | 15  | arakawa adj hiroshi.in. and battery   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 09:29 |
| S6  | 12  | ("5707756" "6258477" "6413679" "6632559").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 10:29 |
| S7  | 263 | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (safety adj (valve mechanism) or vent\$3 adj valve) and (short adj S1 circuit) and (vent\$3 release releasing discharge discharging emit\$4 (give adj off) (let adj out) (letting adj out)) and (overcharg\$4 over-charg\$4)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/16 09:35 |
| S8  | 5   | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (safety adj (valve mechanism) or vent\$3 adj valve) and (short adj S1 circuit) same spark and (vent\$3 release releasing discharge discharging emit\$4 (give adj off) (let adj out) (letting adj out)) and (overcharg\$4 over-charg\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 11:39 |
| S9  | 915 | 429/53.ccls. 429/61.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 12:07 |
| S10 | 881 | S9 not S7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 10:00 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S11 | 26  | S9 and lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (vent\$3 release releasing discharge discharging emit\$4 (give adj off) (let adj out) (letting adj out)) same (overcharg\$4 over-charg\$4) same (short adj1 circuit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 14:58 |
| S12 | 419 | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (vent\$3 release releasing discharge discharging emit\$4 (give adj off) (let adj out) (letting adj out)) same (overcharg\$4 over-charg\$4) same (internal inside (short adj1 circuit))                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 15:07 |
| S13 | 56  | S12 and (429/53.ccls. 429/61.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 15:08 |
| S14 | 19  | ("20020064705"   "3048645"   "4601959"   "4698282"   "4992339"   "5389457"   "5418082"   "5510204"   "5609972"   "5677076"   "5741606"   "5747187"   "5998051"   "6045939"   "6060185"   "6063518"   "6120928"   "6159631").PN. OR ("6730431"). URP.N.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/11/14 15:28 |
| S16 | 382 | S12 and (time\$3 second)   | US-PGPUB;<br>USPAT                                    | OR | ON | 2006/11/14 16:05 |
| S17 | 389 | S12 and (time\$3 second)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/14 16:06 |
| S18 | 184 | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (safety adj (valve mechanism) or vent\$3 adj valve) and (short adj1 circuit) and (vent\$3 release releasing discharge discharging emit\$4 (give adj off) (let adj out) (letting adj out)) and (overcharg\$4 over-charg\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 11:35 |
| S19 | 915 | 429/53.ccls. 429/61.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 10:02 |

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|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S20 | 278  | S19 and lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 10:22 |
| S21 | 18   | S19 and lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (short adj1 circuit) and (over adj1 charg\$3) and (explo\$5 safe\$2 valve pressure)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 10:25 |
| S22 | 419  | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (vent\$3 release releasing discharge discharging emit\$4 (give adj off) (let adj out) (letting adj out)) same (overcharg\$4 over-charg\$4) same (internal inside (short adj1 circuit)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 10:50 |
| S23 | 5    | ("4943497"   "5543246").PN. OR ("6120928").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/11/15 10:59 |
| S24 | 2846 | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and (spark\$ ignit\$4 explosion)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 13:41 |
| S25 | 78   | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and inflection adj point   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 14:59 |
| S26 | 91   | S24 and (vent\$3 release releasing discharg\$3 emit\$4 (give adj off) (let adj out) (letting adj out) (gas adj evolv\$3 or evolution) (decomposition)) same (overcharg\$4 over-charg\$4) same (short adj1 circuit shorting)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 13:44 |
| S27 | 2277 | S24 and (vent\$3 release releasing discharg\$3 emit\$4 (give adj off) (let adj out) (letting adj out) (gas adj evolv\$3 or evolution) (decomposition))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 13:44 |
| S28 | 2    | ("5841265"   "6563292").PN. OR ("6768289").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/11/15 14:13 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S29 | 660 | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and electrolyt\$4 near (gas adj (evolv\$3 evolution) decompos\$5) and (max constant)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 15:32 |
| S30 | 1   | lithium near4 (battery batteries (electrochemical adj (cell\$1 stor\$4))) and electrolyt\$4 near (gas adj (evolv\$3 evolution) decompos\$5) near (max constant) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/16 08:28 |
| S31 | 6   | "5707756".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/11/15 15:32 |